

EAST Search History -DRC-8/9/07

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|---|------------------|---------|------------------|
| L1 | 3459 | (cationic with (acrylic adj acid)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/09 16:34 |
| L2 | 0 | l1] and papermaking | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/09 16:35 |
| L3 | 243 | l1 and papermaking | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/09 16:35 |
| L4 | 111 | l3 and (crosslink\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/09 16:35 |
| L5 | 165 | l3 and (coating or sizing) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/09 16:35 |
| L6 | 80 | l4 and l5 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/09 16:35 |
| S1 | 20 | ("3180787" "4407994" "4522686" "4847315" "4859244" "5177051" "5393566" "5397436" "5429294" "5531863" "5858173" "5961708" "6103861" "6153040" "6159339" "6171680" "6273997" "6348132" "20030124316").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/01/13 11:40 |
| S2 | 8061 | (162/4,5,60,135,136,137,158,163,164,164.1,164.7,164.6,168.1,168.2,168.3,180,183,184,185,186).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/09/22 09:07 |
| S3 | 11353 | ((428/34.2,138,182,486) or (106/206.1,209.1,287.23,287.24,162.1,243) or (549/200,231,233,255) or (528/271) or (427/348)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/09/22 09:09 |
| S4 | 19255 | S2 or S3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/09/22 09:09 |
| S5 | 170 | acryl\$3 and (AKD or "\$5yl ketene dimer\$1" or ASA or "\$5yl succinic anhydride\$1") and (cationic near1 polymer\$6) and starch | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/22 11:18 |

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| S6 | 86 | acryl\$3 and (AKD or "\$5yl ketene dimer\$1") and (ASA or "\$5yl succinic anhydride\$1") and (cationic near1 polymer\$6) and starch | US-PGPUB; USPAT; USOCR | OR | ON | 2007/01/13 11:47 |
| S7 | 79 | S6 and acrylic | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/22 11:19 |
| S8 | 1206122 | S6 and acrylic acid | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/22 11:20 |
| S9 | 65 | S6 and "acrylic acid" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/22 12:51 |
| S10 | 42 | S9 and crosslink\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/22 11:42 |
| S11 | 42 | S10 and (paper or cellulos\$2 or fiber or web or sheet or mat) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/22 11:22 |
| S12 | 5 | S2 and S11 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/22 11:22 |
| S13 | 116 | "organic crosslinking agent" and "acrylic acid" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/22 12:51 |
| S14 | 1 | CA-2354966-\$.did. | USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/09/23 07:09 |
| S15 | 1 | WO-200225013-\$.did. | EPO; DERWENT | OR | ON | 2006/07/23 11:24 |
| S16 | 1 | CA-2354966-\$.did. | DERWENT | OR | ON | 2005/09/23 07:12 |
| S17 | 0 | CA-2354966-\$.did. | EPO | OR | ON | 2005/09/23 07:12 |
| S18 | 1 | ("5393566").PN. | USPAT; USOCR | OR | OFF | 2005/12/13 08:15 |
| S19 | 0 | ("(acrylicadjacid)same(crosslink\$3a djagent)").PN. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/01/23 07:49 |
| S20 | 4447 | (acrylic adj acid) same (crosslink\$3 adj agent) | USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/23 07:52 |
| S21 | 0 | "acrylic acid crosslink\$3 agent" | USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/23 07:51 |

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| S22 | 2495 | (acrylic adj acid) with (crosslink\$3 adj agent) | USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/23 07:52 |
| S23 | 8128 | (162/4,5,60,135,136,137,158,163,164,164.1,164.7,164.6,168.1,168.2,168.3,180,183,184,185,186).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT. | OR | OFF | 2006/01/23 07:52 |
| S24 | 24 | S22 and S23 | USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/23 08:00 |
| S25 | 2136 | crosslink\$2 adj acrylic | USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/23 09:08 |
| S26 | 11422 | ((428/34.2,138,182,486) or (106/206.1,209.1,287.23,287.24,162.1,243) or (549/200,231,233,255) or (528/271) or (427/348)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/01/23 08:01 |
| S27 | 19389 | S23 or S26 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/23 08:01 |
| S28 | 19389 | S23 or S26 or S27 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/23 08:02 |
| S29 | 9 | S25 and S28 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/23 08:15 |
| S30 | 4 | ((("2726230") or ("3493550")).PN. | USPAT; USOCR | OR | OFF | 2006/01/23 09:07 |
| S31 | 0 | ("I7andstearate").PN. | USPAT; USOCR | OR | OFF | 2006/01/23 09:07 |
| S32 | 297 | S25 and stearate | USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/23 09:08 |
| S33 | 19 | (crosslink\$2 adj acrylic) same stearate | USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/23 09:55 |

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| S34 | 354 | "alkyl ketene dimer" with cationic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/23 10:13 |
| S35 | 4 | ((("4407994") or ("4522686"))).PN. | USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/01/23 10:13 |
| S36 | 1 | ("20040089433").PN. | US-PGPUB | OR | OFF | 2007/01/13 10:38 |
| S37 | 1339518 | alkyl ketene dimer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/07/22 14:56 |
| S38 | 1520 | "alkyl ketene dimer" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/07/22 14:57 |
| S39 | 1520 | S38 and PY<"1975" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/07/22 14:57 |
| S40 | 41 | S38 and @PY<"1975" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/07/22 14:58 |
| S41 | 148 | ("alkyl ketene dimer" or AKD) near2 cationic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/07/23 11:26 |
| S42 | 2 | ((("6576049") or ("6248164"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/12 14:44 |
| S43 | 3 | ((("5858173") or ("5876562") or ("6414055"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/12 14:45 |
| S44 | 0 | WO-0225013-\$.did. | EPO; DERWENT | OR | ON | 2007/01/12 14:48 |
| S45 | 1 | WO-200225013-\$.did. | EPO; DERWENT | OR | ON | 2007/01/12 14:48 |
| S46 | 2 | Ep-499448-\$.did. | EPO; DERWENT | OR | ON | 2007/01/12 14:48 |

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| S47 | 1 | ("6551457").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/12 14:53 |
| S48 | 1 | "20020062938" | US-PGPUB | OR | ON | 2007/01/13 11:40 |
| S49 | 59 | ((acrylic adj acid) same (monomer or polymer)) and (crosslink\$3 or (cross adj link\$3)) and (AKD or "\$5yl ketene dimer\$1") and (ASA or "\$5yl succinic anhydride\$1") and (cationic near2 (starch or polysaccharide)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/01/13 12:22 |
| S50 | 10 | S49 and wood and (recycle\$1 or (waste adj paper) or deinked) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/01/13 12:01 |
| S51 | 177 | combination and (AKD or "\$5yl ketene dimer\$1") and (ASA or "\$5yl succinic anhydride\$1") and (cationic near2 (starch or polysaccharide)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/01/13 12:22 |
| S52 | 14 | (combination with ((AKD or "\$5yl ketene dimer\$1") and (ASA or "\$5yl succinic anhydride\$1")) and (cationic near2 (starch or polysaccharide)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/01/13 12:23 |
| S53 | 219 | propst.IN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/09 09:42 |
| S54 | 318 | propst.IN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/08/09 09:42 |
| S55 | 82 | S54 and (AKD or ASA or ketene or succinic or size or sizing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/08/09 09:42 |
| S56 | 11 | S54 and (recyclable or repulpable) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/08/09 09:42 |
| S57 | 82 | S55 and S55 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/08/09 09:46 |

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| S58 | 3 | S55 and S56 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/08/09 09:43 |
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